

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A black colored steel sheet comprising:

a Zn-Ni plating steel sheet which is processed by blackening treatment by anode electrolysis or anodization; and

a coating film formed on a surface of the Zn-Ni plating steel sheet by applying a paint composition which contains (a) metal ions, (b) at least one type of water soluble organic resin selected from the group consisting of a polymer of a monomer containing a carboxyl group and a copolymer of a monomer containing a carboxyl group with another polymeric monomer, (c) a water dispersible organic resin, (d) a glycoluril resin, and (e) an acid.

2. (original) The black colored steel sheet according to Claim 1, wherein the metal ions (a) are at least one type selected from the group consisting of Al ions, Mg ions, and Mn ions.

3. (previously presented) The black colored steel sheet according to Claim 1, wherein the metal ions (a) comprise at least one type selected from the group consisting of Al ions, Mg ions,

and Mn ions and ions of at least one metal selected from the group consisting of Zn, Co, Ti, Sn, Ni, Fe, Zr, Sr, Y, Nb, Cu, Ca, V, and Ba.

4. (previously presented) The black colored steel sheet according to Claim 1, wherein the addition amount of the metal ions (a) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 0.1 to 50 mass percent.

5. (cancelled)

6. (previously presented) The black colored steel sheet according to Claim 1, wherein the addition amount of the water soluble organic resin (b) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 0.1 to 20 mass percent.

7. (previously presented) The black colored steel sheet according to Claim 1, wherein the addition amount of the water dispersible resin (c) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water

dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 40 to 80 mass percent.

8. (previously presented) The black colored steel sheet according to Claim 1, wherein the addition amount of the glycoluril resin (d) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 1 to 40 mass percent.

9. (original) The black colored steel sheet according to Claim 1, wherein the acid (e) is at least one selected from the group consisting of phosphoric acid, acetic acid, nitric acid, hydrofluoric acid, and vanadic acid.

10. (original) The black colored steel sheet according to Claim 1, wherein the acid (e) comprises an organic acid which can be coordinated with a metal of bivalence or more and at least one selected from the group consisting of phosphoric acid, acetic acid, nitric acid, hydrofluoric acid, and vanadic acid.

11. (previously presented) The black colored steel sheet according to Claim 1, wherein the addition amount of the acid (e) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin

(c), the glycoluril resin (d), and the acid (e) is in the range of 1 to 20 mass percent.

12. (original) The black colored steel sheet according to Claim 1, wherein the coating film has a thickness of 0.1 to 3 μm .

13. (currently amended) A black colored steel sheet, comprising:

a blackened, Zn-Ni plating steel sheet processed by anode electrolysis or anodization, and

a film coated on the surface of said sheet, wherein said film comprises (a) metal ions, (b) at least one type of water soluble organic resin selected from the group consisting of a polymer of a monomer containing a carboxyl group and a copolymer of a monomer containing a carboxyl group with another polymeric monomer, (c) a water dispersible organic resin, (d) a glycoluril resin, and (e) an acid, and

wherein the water soluble organic resin (b) permeates minute ~~irregularities~~ cracks on the plating layer surface.

14. (previously presented) The black colored steel sheet according to Claim 13, wherein the metal ions (a) are at least one type selected from the group consisting of Al ions, Mg ions, and Mn ions.

15. (cancelled)

16. (previously presented) The black colored steel sheet according to Claim 13, wherein the addition amount of the at least one type of water soluble organic resin (b) to the total of the metal ions (a), the water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 0.1 to 20 mass percent.

17. (previously presented) The black colored steel sheet according to Claim 13, wherein the addition amount of the water soluble organic resin (b) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 0.1 to 20 mass percent, and

wherein the addition amount of the water dispersible resin (c) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 40 to 80 mass percent.

18. (previously presented) The black colored steel sheet according to Claim 13, wherein the addition amount of the water dispersible resin (c) to the total of the metal ions (a), the at least one type of water soluble organic resin (b), the

water dispersible organic resin (c), the glycoluril resin (d), and the acid (e) is in the range of 40 to 80 mass percent.

19. (previously presented) The black colored steel sheet according to Claim 13, wherein the film has a thickness of 0.1 to 3 μm .

20. (currently amended) A black colored steel sheet, comprising:

a blackened, Zn-Ni plating steel sheet, said sheet blackened by anode electrolysis or anodization, and

a film coated on the surface of said sheet, wherein said film comprises (a) metal ions, (b) a water soluble organic resin comprising at least one type of polymer of a monomer containing a carboxyl group and/or at least one type of copolymer of a monomer containing a carboxyl group and another polymeric monomer, (c) a water dispersible organic resin, (d) a glycoluril resin, and (e) an acid selected from the group consisting of phosphoric acid, acetic acid, nitric acid, hydrofluoric acid, and vanadic acid, and

wherein the water soluble organic resin (b) permeates minute ~~irregularities~~ cracks on the plating layer surface, and

wherein the film has a thickness of 0.1 to 3 μm .